

Title (en)

DETECTION OF AN ANALYTE IN AQUEOUS MEDIA

Title (de)

NACHWEIS EINES ANALYTEN IN WÄSSRIGEN MEDIEN

Title (fr)

DÉTECTION D'ANALYTE EN MILIEU AQUEUX

Publication

EP 2304055 B1 20160914 (EN)

Application

EP 09765873 A 20090617

Priority

- EP 2009057547 W 20090617
- DE 102008028908 A 20080618

Abstract (en)

[origin: WO2009153293A1] Test kit for the detection of an analyte in an aqueous solution, comprising chromatographic test strips for a hapten-antihapten complex and first and second standardised vessels for receiving and positioning test strips, which comprise first and second hapten-coupled receptors against the analyte dried onto the interior wall for the formation of the hapten-antihapten complex, wherein a portion of the standardised vessels further comprise a known amount of analyte embedded in a glass-like layer of trehalose, which are dried onto the interior wall of the control vessel in such a way that they dissolve during reaction of the sample with the hapten-coupled receptors Through this standardisation, analytes in unknown samples may be safely detected by immunochromatography within minutes through a hapten-antihapten complex

IPC 8 full level

C12Q 1/68 (2006.01); **B01L 3/00** (2006.01)

CPC (source: EP US)

B01L 3/5023 (2013.01 - EP US); **G01N 33/54388** (2021.08 - US); **G01N 33/558** (2013.01 - EP); **B01L 1/52** (2019.07 - EP US); **B01L 2200/087** (2013.01 - EP US); **B01L 2300/0636** (2013.01 - EP US); **B01L 2300/0825** (2013.01 - EP US); **B01L 2400/0406** (2013.01 - EP US)

Citation (examination)

- US 2002055126 A1 20020509 - SCHAFFLER JURGEN [DE], et al
- J. K. KAUSHIK ET AL: "Why Is Trehalose an Exceptional Protein Stabilizer?: AN ANALYSIS OF THE THERMAL STABILITY OF PROTEINS IN THE PRESENCE OF THE COMPATIBLE OSMOLYTE TREHALOSE", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 29, 17 April 2003 (2003-04-17), pages 26458 - 26465, XP055191121, ISSN: 0021-9258, DOI: 10.1074/jbc.M300815200

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CN107688094A; US10222747B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009153293 A1 20091223; DE 102008028908 B3 20091231; EP 2304055 A1 20110406; EP 2304055 B1 20160914; ES 2607446 T3 20170331; US 2011124126 A1 20110526; US 8785210 B2 20140722; WO 2009153327 A1 20091223

DOCDB simple family (application)

EP 2009057547 W 20090617; DE 102008028908 A 20080618; EP 09765873 A 20090617; EP 2009057635 W 20090618; ES 09765873 T 20090617; US 99969109 A 20090617